

Synthaprufe

Product Data Sheet

Liquid Applied Waterproofing Membrane

December 2005

Features and benefits

- Completely waterproof
- Remaining effective for the life of the structure
- Cold-applied, easy to apply
- Flexible — withstands normal building movement
- Forms a seamless membrane
- Can be applied to damp surfaces
- Sulphate resistant
- Water based, solventless
- Compatible, when cured, with all Ruberoid high performance DPCs and most other materials

Description

Synthaprufe is a cold-applied bituminous emulsion, containing synthetic rubber latex which, once applied, dries to provide a waterproof and vapour resistant black flexible film. It forms a damp proof membrane and can be applied to concrete, brick, skimmed blockwork and masonry. Synthaprufe has excellent resistance to sulphates and other soil salts. When suitably protected, Synthaprufe will be effective throughout the life of the building. The product bonds with great strength to a range of building materials. Synthaprufe is designed to give a minimum dried film thickness of 1mm for waterproofing applications.

Synthaprufe may also be used as an adhesive for unsealed wood block flooring minimum 10mm thick.

Product details

Container sizes: 2.5, 5, 25, 200 litre

Physical Properties	Method	Mean Results
Elongation %	BS 2782: 320 (A-F) Test	>1000
Low temperature flexibility °C	MOAT 27: 5.4.2	-10
Resistance to water pressure	MOAT 27: 5.1.4	No penetration

Application

Synthaprufe must be stirred before and occasionally during use, and spread using a brush. Application should be even and in one direction. Synthaprufe should not be worked like paint. Total thickness of dried coats should be a minimum of 1.0 mm.

It is recommended that two brushes are used, keeping one in cold water while using the other. Switch every 5 to 10 minutes and shake brushes free of water.

When the application is complete, wet brushes can be cleaned by rinsing with cold water. Dried film can be removed by soaking the brushes in white spirit. The brushes should be dried before any further use.

Splashes of Synthaprufe should be removed immediately with a damp cloth. **Dried film is extremely difficult to remove.**

Floor Finishes

The final coat of Synthaprufe should be blinded with clean sharp sand while still tacky. A minimum 50mm sand cement protection screed must be applied prior to any surface finishes being installed.

In situations where hydrostatic pressure may be present, please consult Ruberoid Technical & Design Services Dept.

When used as an adhesive to bond wood block flooring, prime the floor with a priming coat of 1 part Synthaprufe mixed with 6 parts water and allow to dry. Either dip the bottom of individual blocks into Synthaprufe and place into position or alternatively apply Synthaprufe at a rate of 1.5m² per litre and when tacky place flooring into position. Load until setting has taken place. Do not walk on the surface for 24 hours.

Drying Time

As a guide Synthaprufe will dry in approximately 6 hours under good drying conditions. Low temperatures and high humidity will increase drying time. Increased heating and forced ventilation will improve the drying process. Moisture in the substrate, air movement, relative humidity and temperature all affect drying. A simple test is to press a finger onto the film: no residue of Synthaprufe means the film is dry. Synthaprufe remains tacky after drying.

Precautions

Synthaprufe should not be applied at temperatures below 5°C, or when temperatures can be expected to fall below 5°C before the membrane has dried. At high temperatures, on porous surfaces, the surface should be dampened with clean water, or a priming coat of 1 part Synthaprufe to 6 parts water should be applied. Synthaprufe must not be applied during rainfall or when rain is expected before the membrane has dried.

Coverage for waterproofing applications

Coverage m ² per litre per coat	Number of coats	First coat	Second	Third Coat	Total l/m ²
Floors	2	1.0	1.5	—	1.7
Walls	3	2.0	2.0	2.0	1.5

Coverage for bonding application

Coverage m ² per litre per coat	Number of coats	First coat	Second	Third coat	Total l/m ²
Woodblocks	1	1.5	—	—	0.7

Internal Plaster Finishes

The final coat of Synthaprufe should be blinded with clean sharp sand while still wet. When fully dry a minimum 12mm thickness of a gypsum plaster system should be applied. Do not use cementitious-based plasters or renders.

Storage

Synthaprufe must not be stored in conditions under 5°C.

Shelf Life

Synthaprufe has a shelf life of 12 months when stored in sealed containers at temperatures of 5 to 25°C.

Health and safety

A Health and Safety data sheet relating to Synthaprufe is available from the Technical & Design Services Department on 0800 587 7391 or E-mail wat.tech@ruberoid.co.uk. Alternatively, Health and Safety data sheets for all Ruberoid products are available as down-loads from the Ruberoid web site: www.ruberoid.co.uk

Technical and design support

Technical advice can be obtained from the Technical & Design Services Department on:
Tel: 0800 587 7391 Fax 01257 252986 Email wat.tech@ruberoid.co.uk

Other products

Ruberoid is part of the IKO Group which manufactures and supplies a wide range of high performance, insulated roofing systems including bituminous membranes, mastic asphalt, hot melt and polymeric single ply. The range also encompasses green roof systems, DPCs/DPMs/tanking materials and liquid waterproofing solutions and compounds. Full product literature is available as downloads from the web site: www.ruberoid.co.uk or on request by email: marketing@ruberoid.co.uk

Ruberoid Building Products

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